Pet Shop Report

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Section: B1

Pet Shop

The website will help the pet store sell online by focusing on easy browsing, ordering, and management. The main users are customers and the admin, and the key data includes pets, orders, and customer details.

1. Client Needs Analysis:

The client wants a simple website to sell pets online.

The main needs are:

- Display pets with pictures, prices, and details.
- Allow customers to order online.
- Manage pet information easily.

2. Users (Who will use the website?):

1_Customers:

Browse pets, create accounts, place orders.

2_Admin/Seller:
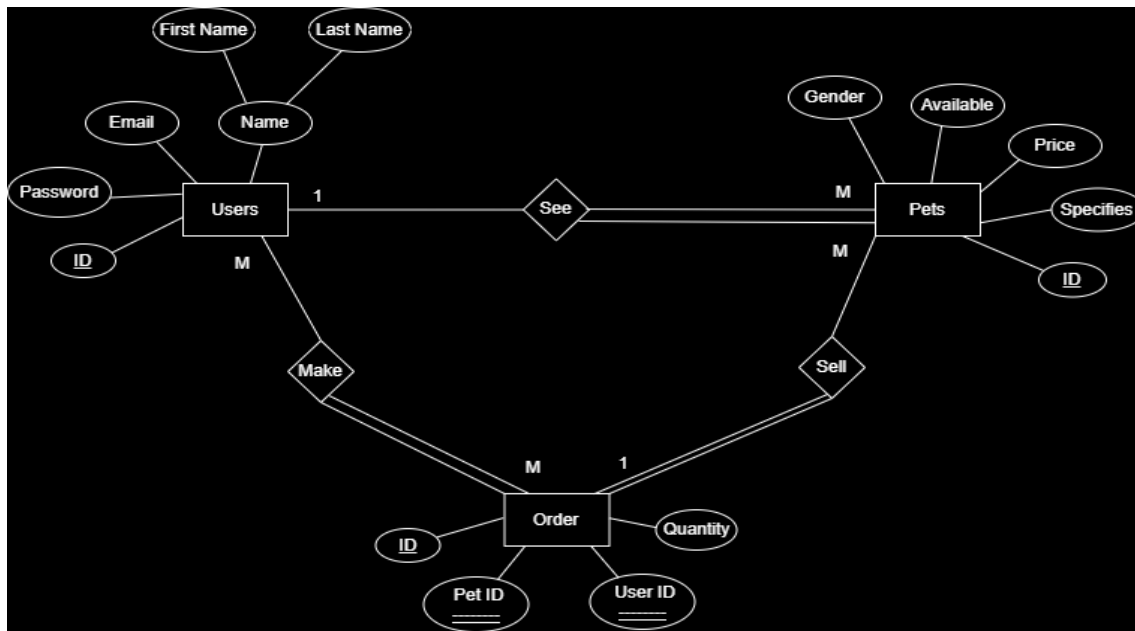
Add/remove pets , manage orders.

3. Entities (Main Data to Store):

1_Pets: ID, Specifies(cat/dog/bird), price, available, gender.

2_Orders: Quantity, ID, petID, userID.

3_Customers: Name, email, password , phone number, address.

ER Diagram

1. Main Entities & Attributes:

1.User

Attributes: ID (PK), First name, Last name, Email, Password.

Description: Stores user account information in the data base.

2.Pet

Attributes: PetID, Specifiies(bird,dog,cat), Gender, Available (status).

Description: Tracks pets in the shop.

3.Order

Attributes: Order, Quantity, Price, UserID ,PetID

Description: Represents purchases .

2. Relationships

1.User → Pet

A user can own(see) one or more available pets.

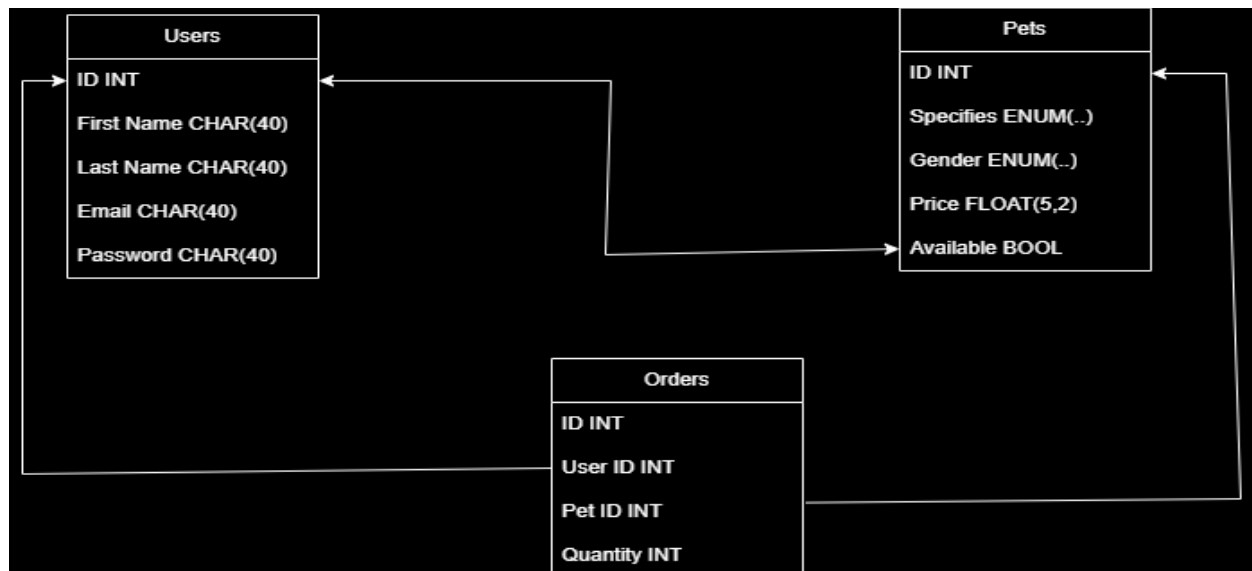Example: User adopts Pet (if Available = true).

2.User → Order

A user places an order.

Price and Quantity tie to the ordered items.

Pet → Order

Pets could be linked to orders ,user can adobt the pet by buying it online or visit the shop to buy it.

Mapping

1.Tables & Keys:

-Users: stores user data

PK:ID

Fields: Name, Email, Password

-Pets: stores pets data

PK:ID

Fields: Specifies, price , Available, Gender

-Oreders:

PK:ID

FKs:PetID , UserID

Fields: Quantity